

INFORMATION DISCLOSURE CITATION	ATTY. DOCKET NO.	SERIAL NO.
	265-106	10/049,809
(Use several sheets if necessary)	APPLICANT	
GÖTTL, M. et al.	FILING DATE	GROUP
	February 19, 2002	2800 / A-U 2817 2821

PATENT & TRADEMARK OFFICE

MAR 04 2003

## **U.S. PATENT DOCUMENTS**

## **FOREIGN PATENT DOCUMENTS**

**OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)**

\*Examiner

**Date Considered**

Sept 2004

**RENNY LEE**  
Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Patent Examiner.

**PRINTER EXAMINER**

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**Form PTO-FB-A820 (Also PTO-1449)**

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**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
R	1,764,441	6/1930	Hahnemann			
R	1,806,755	5/1931	Hansell			
R	2,245,660	10/1938	Feldman et al			
R	2,247,666	7/1941	Potter			
R	2,248,335	7/1941	Burkhart			
R	2,272,431	2/1942	Rankin			
R	2,300,576	11/1942	Klein			
R	2,462,881	3/1949	Marchetti			
R	2,496,920	2/1950	Seeley			
R	2,535,850	12/1950	Hammond			
R	2,565,334	8/1951	Wingarden			
R	2,566,897	9/1951	Koenig			
R	2,583,747	1/1952	Potter			
R	2,594,115	4/1952	Berney			
R	2,597,424	5/1952	Znaidukas			
R	2,599,048	6/1952	Dicke			
R	2,605,413	7/1952	Alvarez			
R	2,642,567	6/1953	Kimball et al			
R	2,648,000	08/1953	White			
R	2,668,920	2/1954	Barrett			
R	2,711,527	6/1955	Barrett			
R	2,736,854	2/1956	Will			
A	2,745,994	5/1956	Dicke et al			
A	2,787,169	4/1957	Farr et al			
A	2,789,190	4/1957	Statham			
A	2,794,162	5/1957	Lifsey			
A	2,797,374	6/1957	Atton et al			
R	2,815,501	12/1957	Benson et al			
R	2,825,240	3/1958	Gray			
R	2,830,292	4/1958	Young			
R	2,831,169	04/1958	Casal			
R	2,851,620	9/1958	Hausen			
R	2,861,235	11/1958	Chadowski et al			
R	2,872,631	2/1959	Blauvelt et al			
R	2,900,154	8/1959	Schweim			
R	2,922,941	1/1960	Hensler et al			
R	2,939,335	6/1960	Braund et al			
R	3,005,985	10/1961	Cohn et al			
R	3,008,140	11/1961	Rose			
R	3,043,998	7/1962	Lunn et al			
R	3,205,419	9/1965	Voigt			

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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
M	3,248,736	4/1966	Bohar			
R	3,276,018	9/1966	Butler			
P	3,277,481	10/1966	Robin et al			
P	3,316,469	4/1967	Dicke			
P	3,438,035	4/1969	Fling et al			
P	3,491,363	1/1970	Young, Jr.			
P	3,508,274	4/1970	Kesler et al			
M	3,527,993	9/1970	Ticknor			
M	3,728,733	4/1973	Robinson			
M	3,826,964	7/1974	Byrne			
M	3,864,689	2/1975	Young			
P	3,886,559	5/1975	Lanson et al			
P	3,886,560	5/1975	Mortensen et al			
M	4,077,000	2/1978	Grubbs			
M	4,101,902	7/1978	Trigon			
P	4,163,235	7/1979	Schultz			
M	4,263,539	4/1981	Barton			
P	4,301,397	11/1981	Journey			
M	4,314,250	2/1982	Hanell et al			
M	4,316,195	2/1982	Steffek et al			
M	4,335,388	6/1982	Scott et al			
M	4,413,263	11/1983	Amitay et al			
M	4,460,897	7/1984	Gans			
M	4,467,328	8/1984	Hacker			
P	4,496,890	1/1985	Wurdack et al			
M	4,542,326	9/1985	Hornback			
P	4,543,583	9/1985	Wurdack			
M	4,617,572	10/1986	Hugo			
M	4,694,773	9/1987	Sparkes et al			
M	4,796,032	1/1989	Sakurai et al			
P	4,862,179	8/1989	Yamada			
P	4,882,587	11/1989	Vodopia			
M	5,012,256	04/1991	Maddocks			
M	5,021,798	6/1991	Ubhayakar			
P	5,038,148	8/1991	Aoki et al			
P	5,077,560	12/1991	Horton et al			
P	5,084,708	1/1992	Champeau et al			
P	5,093,923	3/1992	Leslie			
P	5,099,247	3/1992	Basile et al			
P	5,151,704	09/1992	Gunmar et al.			
P	5,151,706	9/1992	Roederer et al			

\*Examiner

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**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
P	5,175,556	12/1992	Berkowitz			
M	5,241,319	8/1993	Shimizu			
R	5,272,477	12/1993	Tashima et al			
M	5,281,975	1/1994	Hugo			
R	5,300,935	4/1994	Yu			
M	5,303,240	04/1994	Borras et al.			
R	5,339,083	8/1994	Inami			
R	5,504,466	04/1996	Chan-Son-Lint et al.			
M	5,504,937	4/1996	Kangas			
R	5,539,413	7/1996	Farrell et al.			
R	5,572,219	11/1996	Silverstein et al			
M	5,596,329	01/1997	Searle et al.			
R	6,239,744	5/2001	Singer et al			
M	6,538,619	03/2003	Heinz et al.			
R	6,567,051	05/2003	Heinz et al.			
R	6,590,546	07/2003	Heinz et al.			
R	6,600,457	07/2003	Heinz et al.			
R	2003/0048230A1	03/2003	Heinz et al.			

## **FOREIGN PATENT DOCUMENTS**

FOREIGN PATENT DOCUMENTS					TRANSLATION		
	DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
/2	AU-B-41625/93	06/1993	Australia				
/2	80,057/94		Australia				
/2	AU-B-36226/95	5/1998	Australia				
/2	AU-B-38746/93	7/1993	Australia				
/2	0 156 294	10/1985	Europe				
/2	0 466 080 A1	1/1992	Europe				
/2	0 575 808 A1	12/1993	Europe				
/2	0 579 407 B1	1/1994	Europe				
/2	0 600 715 B1	6/1994	Europe				
/2	0 616 741 B1	9/1994	Europe				
/2	0 618 639 A2	10/1994	Europe				
/2	0 639 035 A1	2/1995	Europe				
/m	0 682 820 B1	11/1995	Europe				
/m	789 938A1	8/1997	Europe				
/m	789 938A4	4/1999	Europe				
/	1 239 534A2	9/2002	Europe				
/	1 239 535A2	9/2002	Europe				

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1 Sept 2001

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## FOREIGN PATENT DOCUMENTS

DOCUMENT	DATE	COUNTRY	TRANSLATION		
			CLASS	SUBCLASS	YES NO
1 239 536A2	9/2002	Europe			
1 239 538A2	9/2002	Europe			
959,833	4/1950	France			
70.39506	8/1971	France			
2 603 426	03/1988	France			
1 044 789	11/1963	Great Britain			
1 029 865	5/1966	Great Britain			
1 175 365 A	12/1969	Great Britain			
1 271 346 A	4/1972	Great Britain			
1 314 693	4/1973	Great Britain			
1 470 884 A	4/1977	Great Britain			
2 034 525 A	6/1980	Great Britain			
1 577 939 A	10/1980	Great Britain			
2 044 567 A	10/1980	Great Britain			
2 161 026 A	1/1986	Great Britain			
1 505 074 A	3/1978	Great Britain			
2 262 009 A	6/1993	Great Britain			
DE 26 25 062 A1	12/1977	Germany			
DE 39 02 739 A1	08/1990	Germany			Abstract
DE 584 383	9/1933	Germany			
DE 827 085 B	1/1952	Germany			
DE 907 193 B	3/1954	Germany			
DE 908 748	4/1954	Germany			
DE 945 261	7/1956	Germany			
DE 1 768 660	6/1958	Germany			
DE 1 033 280	7/1958	Germany			
DE 1 826 656	2/1961	Germany			
DE 1 133 775	7/1962	Germany			
DE 1 293 251	4/1964	Germany			
DE 2 249 806	4/1973	Germany			
DE 2 207 894	8/1973	Germany			
DE 2 359 846	6/1974	Germany			
DE 26 31 273	1/1978	Germany			
DE 29 21 712	12/1979	Germany			
DE 29 38 370	4/1980	Germany			
DE 28 55 623 A1	7/1980	Germany			
DE 29 51 875 C2	7/1980	Germany			
DE 31 34 219 A1	3/1983	Germany			
DE 34 25 351 C2	1/1985	Germany			
DE 35 22 404 A1	1/1987	Germany			
DE 38 31 994 A 1	3/1990	Germany			

\*Examiner

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## FOREIGN PATENT DOCUMENTS

DOCUMENT	DATE	COUNTRY	CLASS		TRANSLATION	
			SUBCLASS		YES	NO
DE 38 39 945 A1	5/1990	Germany				
DE 39 34 716 A1	4/1991	Germany				
DE 39 37 294 A1	5/1991	Germany				
DE G 91 08 641.8	10/1991	Germany				
DE 31 02 110 A1	8/1992	Germany				
DE 42 01 933 C2	7/1993	Germany				
DE 42 42 803 A1	7/1993	Germany				
02 132 926	05/1990	Japan (English Abstract only)				
06 334 428		Japan				
57-184303	11/1982	Japan			Abstract	
63-6906	01/1988	Japan			Abstract	
1-140802	6/1989	Japan				
03 057 305 A	3/1991	Japan (English Abstract)				
7-79476	3/1991	Japan				
3-85906	4/1991	Japan				
3-151701	6/1991	Japan				
4-196904	7/1992	Japan				
5-37222	2/1993	Japan				
3-279795	5/1993	Japan				
5-121902	5/1993	Japan				
6-125216	5/1994	Japan				
6-204738	7/1994	Japan				
6-232621	8/1994	Japan				
6-268429	9/1994	Japan				
06-326 501	11/1994	Japan			X	
06-326 502	11/1994	Japan				
5-110283	11/1994	Japan				
5-110284	11/1994	Japan				
6-326501	11/1994	Japan				
6-338717	12/1994	Japan				
7-170121	7/1995	Japan				
07-245579	9/1995	Japan			X	
7-318627	12/1995	Japan				
8-32341	2/1996	Japan				
8-172388	7/1996	Japan				
10-508730		Japan (see WO-96-14670)				
204,522		New Zealand				
208,213		New Zealand				
219,746		New Zealand				
220,276		New Zealand				
235,010		New Zealand				

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## OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

<u>m</u>	Japanese Book "Antenna for Broadcasting and radio wave transmission" 4/20/1973 by NHK (Nihon Hosho Kyokai)
<u>f</u>	Japanese Book "Illustrated mobile communication antenna system" 10/10/96 by Fujimoto
<u>f</u>	Japanese Book "Antenna Engineering" 9/30/69 Endo et al
<u>R</u>	Mobile Telephone Panel Array (MPTA) Antenna : Field Adjustable Downtilt Models" Australia 5/1994
<u>m</u>	Mobile Telephone Panel Array Antenna - MTP890-8-E
<u>m</u>	Mobile Telephone Panel Array Antenna - MTP890-4-E
<u>m</u>	Mobile Telephone Panel Array Antenna - MTP890-8-EF
<u>m</u>	*Design Specification for Premium antenna with EDT and AS" Telecom Australia 9/1993
<u>m</u>	Kumar Fixed and mobile terminal antennas 1991 Artech House, Inc.
<u>m</u>	Publication "Phased array antennas" p. 219-220 Cheston "Beam Steering of Planar Phased Arrays"
<u>m</u>	* News of higher education establishments, Radio electronics. Technical-scientific journal Higher Education Ministry of USSR, Kiev, 1985-1991
<u>m</u>	* Measuring Technique. Monthly scientific-technical journal. State Committee of USSR on standards. Moscow, Standards publishing house, 1985-1990.
<u>m</u>	* Radio. Popular monthly radio technical magazine. Moscow, 1987-1996
<u>m</u>	* Radio Technic. Scientific-technical journal. Popov Radio Technic, Electronics and Communication Societ. Moscow, publishing house "Radioand Communications," 1985-1995
<u>m</u>	* Radio Engineering and Electronics. Academy of Sciences of USSR, Moscow, "Nauka," 1985-1995
<u>m</u>	* Electric Communication. Monthly scientific-technical journal. Communication Ministry of USSR and Popov RadioTechnic. Electronics and Communication Society. Moscow, publishing house "Radio and Communications," 1987-1995
<u>m</u>	* Monthly scientific-technical journal. Electrical Engineering Ministry and Krzyzanowski Center. Moscow, "Energoatomizdat," 1985-1995
<u>m</u>	Phased Antenna array, M.B. Zakson, Great Soviet Encyclopedia, 3rd edition, Moscow. "Sovetskaya Entsiklopediya, 1977, Vol. 27, Ulyanovsk-Frankfurt, page 182-184
<u>m</u>	Phased Antenna arrays, Antennas. A.L. Drabkin, Ye. B. Korenberg. Moscow, "Radio i svyaz." 1992 (Popular library, issue 1173), Chapter 9 "Antenna arrays," pages 109-114
<u>m</u>	Antenna arrays with phase scanning. Antennas of radiolocation stations. V.G. Glagolevski, Yu. A. Shishov. Moscow, "Voyenizdat," 1977. -n Chapter [2]: Antenna arrays, pages 44-48. Radiolocation technique
<u>m</u>	Phased Antenna arrays. Antennas. Manual for students of radio engineering higher educational establishments. G.T. Markow, D.M. Sazonov, 2nd edition. Moscow, "Energiya," 1975. Chapter 14 "Scanning Antenna arrays," pages 462-468
<u>m</u>	Kumm et al 1983 Phasengesteuerte Planarantennengruppen fur den Empfangsbereich um 12 Gigahertz

These documents not available to the undersigned.

*Examiner	BENNY T. LEE	Date Considered	<u>1 Sept 2004</u>
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